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(54) Title: PROCESS FOR PREPARING PROSTAGLANDIN DERIVATIVES AND STARTING MATERIALS FOR THE SAME

(57) Abstract: The present invention provides a process for preparing benzoprostacycline derivatives of formula (I), i.e. 5,6,7-trinor-4,8-inter-m-phenylene PGI<sub>2</sub> derivatives, and vinyl tin compounds of formula (III) as starting materials for the same.

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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C07D 307/93

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C07D 307/93

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CA, Delphion Research Intellectual Property network database,

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Wakita H et al. 'Regioselective Protection of 11-hydroxy group and inversion of configuration at C-15 in m-Phenylene PGI2 Derivatives' In Heterocycles, 1998, vol.48, No.2, p2559-2571 see the whole document	1-7, 8
A	GB0215757 A (JOHNSON MATTHEY PUBLIC LIMITED COMPANY) 14. Aug. 2002 (14. 08. 2002)	1-7, 8
A	EP0641335 A (IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC) 8. March. 1995 (08. 03. 1995)	1-7, 8
A	US5233059 A (IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC) 3. Aug. 1993 (03. 08. 1993)	1-7, 8
A	US5202447 A (Torays Industries, INC) 13. Apr. 1993 (13. 04. 1993)	1-7, 8

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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